



9D-HR- 19209
PATENT

8/2/03
5/30/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Gray et al.

Serial No.: 09/993,783

Filed: November 14, 2001

For: DC MOTOR SPEED CONTROL
SYSTEM

Art Unit: 2837

Examiner: Bentsu Ro

AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA. 22313-1450

Sir/Madam:

In response to the Office Action dated February 21, 2003, please amend the above-identified patent application as follows:

IN THE CLAIMS

1. (once amended) A method for controlling speed in a pulse-width-modulation-controlled motor powered by a load voltage source, said method comprising the steps of:

measuring the motor load voltage; and

setting pulse-width modulation duty cycles based on the measured voltage, wherein an average of frequencies of the pulse-width modulation duty cycles is a predetermined average pulse-width modulation frequency of the motor.